Abstract

A disposable and noninvasive intrauterine fetal monitoring electrode assembly for monitoring fetal heart rate comprises an electrode strip for insertion into the uterus of a woman in active labor, between and in contact with the tissue of the uterine wall and the baby, and an interconnect cable for connecting the assembly to fetal monitoring equipment. The electrode strip comprises a flexible two-sided insulating strip having one or more electrodes disposed on each side of the strip. An electrical connector cable containing electrical leads provides electrical connectivity between each electrode and a separate electrical lead disposed within the connector cable to the fetal monitoring equipment. The electrode strip of the assembly includes a grip feature by which the electrode strip may be engaged to facilitate its positioning in the uterus.